

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Previously Presented) A method for vaporizing solid organic materials onto a substrate surface to form a film, comprising:
  - a) providing a quantity of solid organic material into a vaporization apparatus;
  - b) actively maintaining by cooling the solid organic material in a first region in the vaporization apparatus to be below the vaporization temperature;
  - c) heating a second region of the vaporization apparatus above the vaporization temperature of the solid organic material so that there is a steep thermal gradient across the thickness of the organic material between the first and second regions; and
  - d) metering, at a controlled rate, solid organic material from the first region into the second heating region so that a thin cross section of the solid organic material is heated at a desired rate-dependent vaporization temperature, whereby the thin cross section of solid organic material vaporizes and forms a film on the substrate surface.
2. (Previously Presented) The method according to claim 1 where the vaporized organic material passes through a permeable member.
3. (Previously presented) The method according to claim 1 further including providing a deposition chamber and interrupting the vaporization and thereby minimizing contamination of the deposition chamber walls and conserving the solid organic material when a substrate surface is not being coated.
4. Cancelled.
5. (Previously Presented) The method according to claim 1 where a constant volume is maintained in the second region so as to establish and maintain a constant plume shape.
6. (Currently Amended) The method according to claim 1 wherein the first region is maintained at a constant ~~heater~~-temperature by cooling as the solid organic material is consumed.

7. (Previously Presented) The method according to claim 1 wherein the second region is maintained at a constant heater temperature as the solid organic material is consumed.

8. (Previously Presented) The method according to claim 1 further including providing a cooling base block surrounding the solid organic material in the first region and providing a liquid between the cooling base block and the solid organic material in the first region to provide thermal contact and a vapor-tight seal between the solid organic material and the cooling base block.

9. (Previously Presented) The method according to claim 1 wherein the solid organic material is metered on the surface of a rotatable drum into a second region at a controlled rate that varies linearly with vaporization rate.

10. (Currently Amended) A method for vaporizing solid organic materials onto a substrate surface to form a film, comprising:

a) providing a quantity of solid organic material having at least two organic components into a vaporization apparatus;

b) actively maintaining by cooling the solid organic material in a first region in the vaporization apparatus to be below the vaporization temperature of each of the organic components;

c) heating a second region of the vaporization apparatus above the vaporization temperature of the solid material so that there is a steep thermal gradient across the thickness of the organic material between the first and second regions of ~~each of the components of the solid organic material~~ the vaporization apparatus; and

d) metering, at a controlled rate, solid organic material from the first region into the second region so that a thin cross section of the solid organic material is heated at a desired rate-dependent vaporization temperature of each of the organic components, whereby each of the solid organic material components simultaneously vaporizes and forms a film on the substrate surface.

11. (Previously Presented) The method according to claim 10 where the vaporized organic material passes through a permeable member.

12. (Previously presented) The method according to claim 10 further including providing a deposition chamber and interrupting the vaporization rate and thereby minimizing contamination of the deposition

chamber walls and conserving the solid organic materials when a substrate surface is not being coated.

13. Cancelled.

14. (Previously Presented) The method according to claim 10 where a constant volume is maintained in the second region so as to establish and maintain a constant plume shape.

15. (Currently Amended) The method according to claim 10 wherein the first region is maintained at a constant ~~heater~~ temperature by cooling as the solid organic material is consumed.

16. (Previously Presented) The method according to claim 10 further including providing a cooling base block surrounding the solid organic material in the first region and providing a liquid between the cooling base block and the solid organic material in the first region to provide thermal contact and a vapor-tight seal between the solid organic material and the cooling base block.

17. Cancelled.

18. Cancelled.

19. Cancelled.

20. Cancelled.

21. Cancelled.

22. Cancelled.

23. Cancelled.

24. Cancelled.

25. Cancelled.